

**III. AMENDMENTS TO THE DRAWINGS:**

The attached seven (7) sheets of drawings include changes to Figs. 1-4, and include renamed Figs. 1-6.

Attachment: Seven (7) Replacement Drawing Sheets



THE INTERNATIONAL PHONETIC ALPHABET (REVISED TO 1993)

CONSONANTS (PULMONIC)

	BILABIAL	LABIODENTAL	DENTAL	ALVEOLAR	POSTAL	VEOLAR	RETROFLEX	PALATAL	VELAR	UMLAULIC	PHARYNGEAL	GLOTTAL
PLOSIVE	p b		t d		t d	c ɟ	k ɡ	q ɢ		χ ʁ	χ ʁ	?
NASAL	m	ɱ		n		r	ɳ	ɳ	ɳ	ɳ	ɳ	
TRILL	r		r		r		r		r			
TAP OR FLAP			ɾ				ɾ					
FRICATIVE	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ɟ	x ɣ	χ ʁ	χ ʁ	χ ʁ	h ɬ
LATERAL FRICATIVE			ɬ ɬ									
APPROXIMANT		v		l		ɻ ɻ	j	w				
LATERAL APPROXIMANT				l		ɻ ɻ	ɻ ɻ	ɻ ɻ				

WHERE SYMBOLS APPEAR IN PARS, THE ONE TO THE RIGHT REPRESENTS A VOICED CONSONANT.  
SHADED AREAS DENOTE ARTICULATIONS JUDGED IMPOSSIBLE.

CONSONANTS (NON-PULMONIC)

CLOCKS	voiced implosives	electives
Ø BILABIAL	b bilabial	, AS IN:
- DENTAL	d dental/alveolar	p' bilabial
! (POST)AL VEOLAR	j palatal	t' dental/alveolar
# PALATOAL VEOLAR	g velar	k' velar
ALVEOLAR LATERAL	g' uvular	s' alveolar fricative

SUPRASEGMENTALS *founətʃən* LEVEL CONTOUR

PRIMARY STRESS	long	eɪ	ɛ or ʌ	extra high	ɛ or ʌ	rising
SECONDARY STRESS	half-long	ē	ɛ̄	high	ɛ̄	falling
	extra-short	ě	ɛ̄	high	ɛ̄	high rising
	syllable break	ɪ.ə.ɛ̄.t̄.k̄	ɪ.ə.ɛ̄.t̄.k̄	mid	ɛ̄	mid
	minor (foot) break	ɛ̄	ɛ̄	low	ɛ̄	low rising
MAJOR (INTONATION) GROUP	linking (absence of a break)	ɛ̄	ɛ̄	extra low	ɛ̄	rising-falling etc.
		↓	↓	downstep	↗	global rise
		↑	↑	upstep	↘	global fall

TO FIG. 1 CONT.

**FIG. 1**

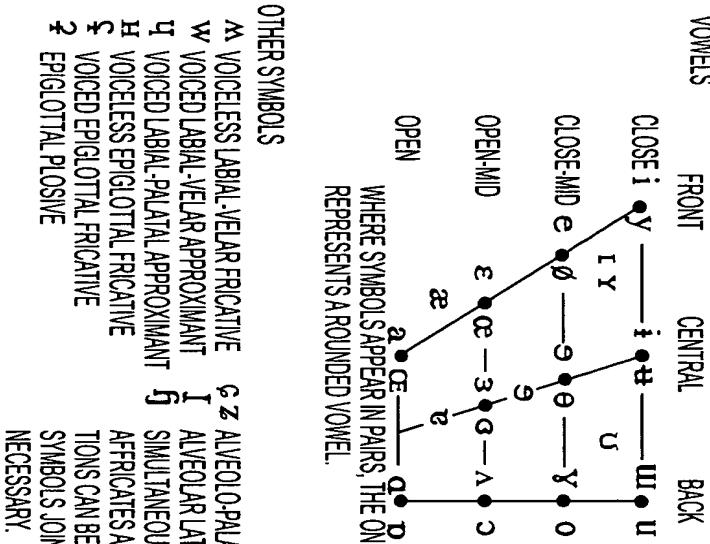
TO FIG. 1 CONT.



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FROM FIG. 1

FROM FIG. 1



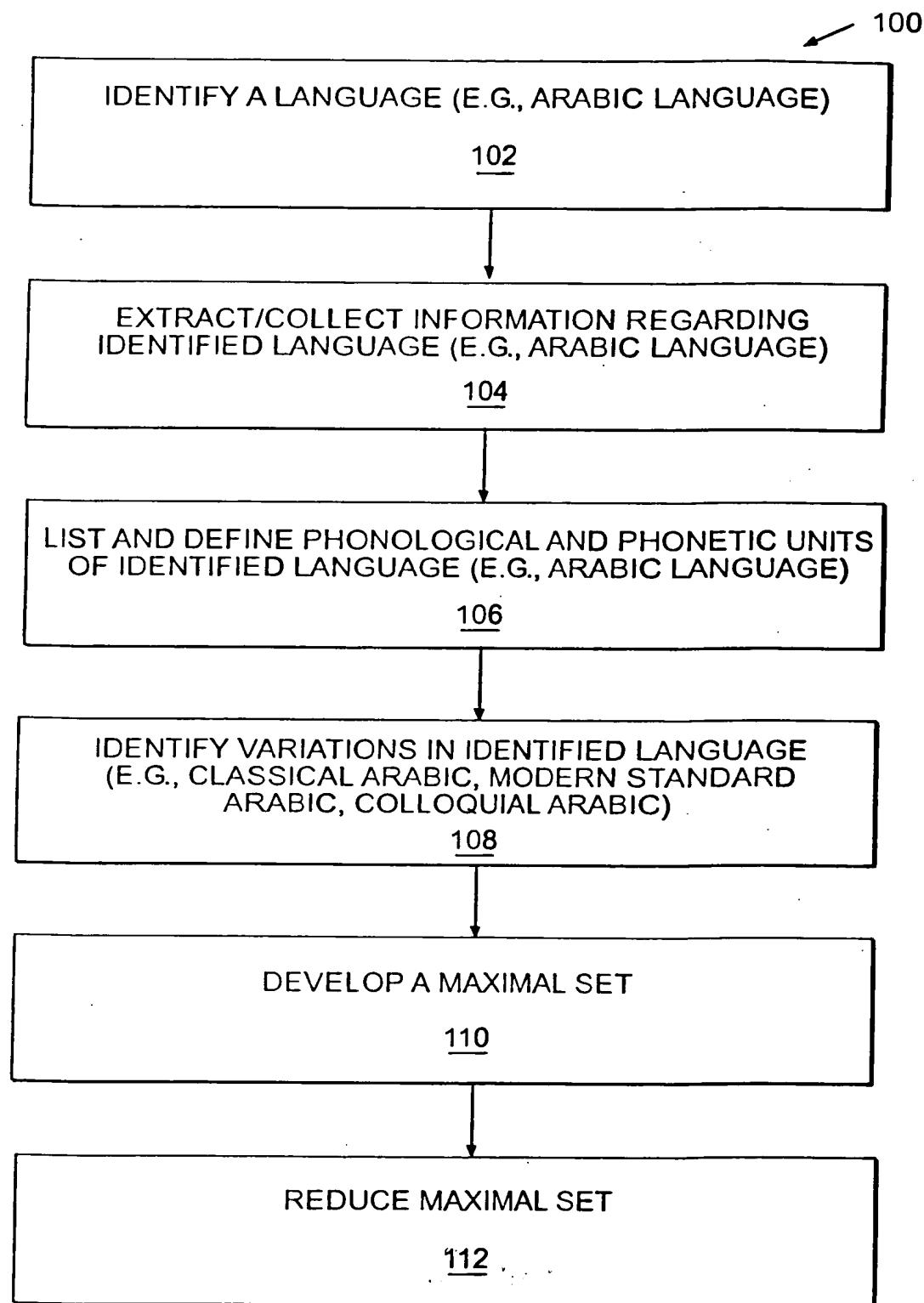
AL-VELAR FRICATIVE	ç z	ALVEOLO-PALATAL FRICATIVENESS
VELAR APPROXIMANT	χ	ALVEOLAR LATERAL FLAP
PALATAL APPROXIMANT	ç	SIMULTANEOUS J AND X
ALVEOLAR FRICATIVE	ç	AFFRICATES AND DOUBLE ARTICU- LATIONS CAN BE REPRESENTED
ITAL FRICATIVE	ʃ	SYMBOLS JOINED BY A TIE BAR NECESSARY.
ASSIVE	ʒ	

W	VOICELESS LABIAL-VELAR APPROXIMANT	W
U	VOICED LABIAL-PALATAL APPROXIMANT	U
H	VOICELESS EPIGLOTTAL FRICATIVE	H
G	VOICED EPIGLOTTAL FRICATIVE	G
Z	ALVEOLAR-PALATAL FRICATIVES	Z
I	ALVEOLAR LATERAL FLAP	I
J	SIMULTANEOUS J AND X	J
X	AFFRICATES AND DOUBLE ARTICULATIONS	X
---	SYMBOLS JOINED BY A TIE BAR IF NECESSARY.	---

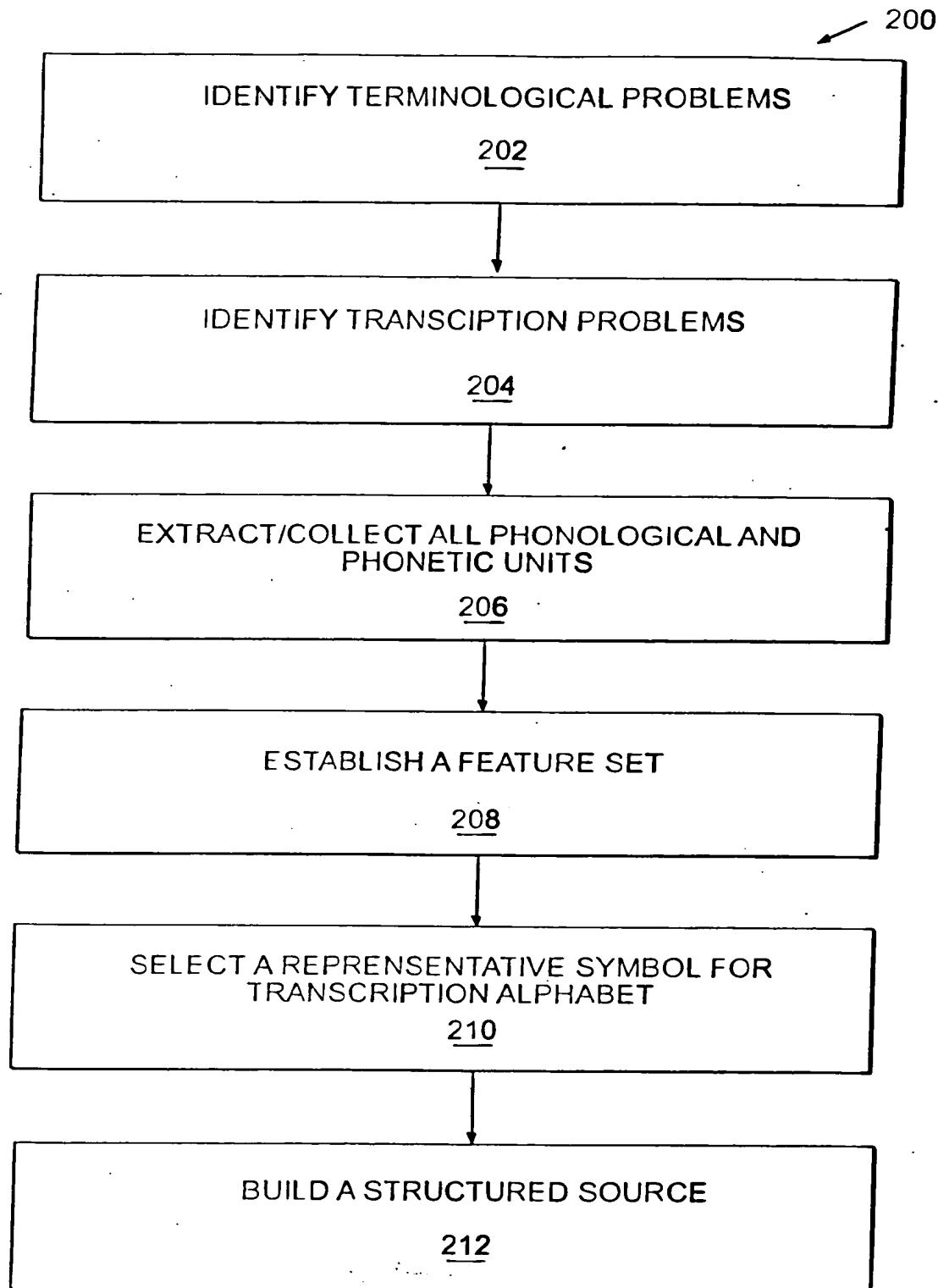
A. WO	+	ADVANCED	u	v	VELARIZED	t <sup>v</sup> d <sup>v</sup>	-	LATERAL RELEASE	d <sup>l</sup>
	-	RETRACTED	i	s	PHARYNGEALIZED t <sup>s</sup> d <sup>s</sup>	-	NO AUDIBLE RELEASE	d <sup>s</sup>	
	..	CENTRALIZED	ë	-	VELARIZED OR PHARYNGEALIZED t				
	*	MID-CENTRALIZED e	^	RAISED	e ( ^ = VOICED ALVEOLAR FRICATIVE)				
	.	SYLLABIC	ı	LOWERED	e ( ı = VOICED BILABIAL APPROXIMANT)				

DIACRITICS					
DIACRITICS MAY BE PLACED ABOVE A SYMBOL WITH A DESCENDER, E.G. ñ					
◦ VOICELESS	ø ð	◦ BREATHY VOICED	b ɔ	◦ DENTAL	: t ð
◦ VOICED	v t	~ CREAKY VOICED	b a	◦ APICAL	t ð
h ASPIRATED	tʰ ðʰ	- LINGUOLABIAL	t ð	◦ LAMINAL	t ð
, MORE ROUNDED	ɔ	~ LABIALIZED	tʷ ðʷ	~ NASALIZED	ë
~ LESS ROUNDED	?	j PALATALIZED	t¹ ð¹	~ NASAL RELEASED	d¹
+ ADVANCED	u ɔ	v VELARIZED	t² ð²	~ LATERAL RELEASE	d²
- RETRACTED	i ɔ	s PHARYNGEALIZED	t³ ð³	~ NO AUDIBLE RELEASE	d³
.. CENTRALIZED	ë	~ VELARIZED OR PHARYNGEALIZED	t		
* MID-CENTRALIZED	e	~ RAISED	e, i	= VOICED ALVEOLAR FRICATIVE	
. SYLLABIC	j	~ LOWERED	ø, ß	(ß = VOICED BILABIAL APPROXIMANT)	
~ NON-SYLLABIC	ë	~ ADVANCED TONGUE ROOT	ø		
~ RHO TONICITY	ø	~ RETRACTED TONGUE ROOT	ë		

FIG. 1 CONT.



**FIG. 2**



**FIG. 3**

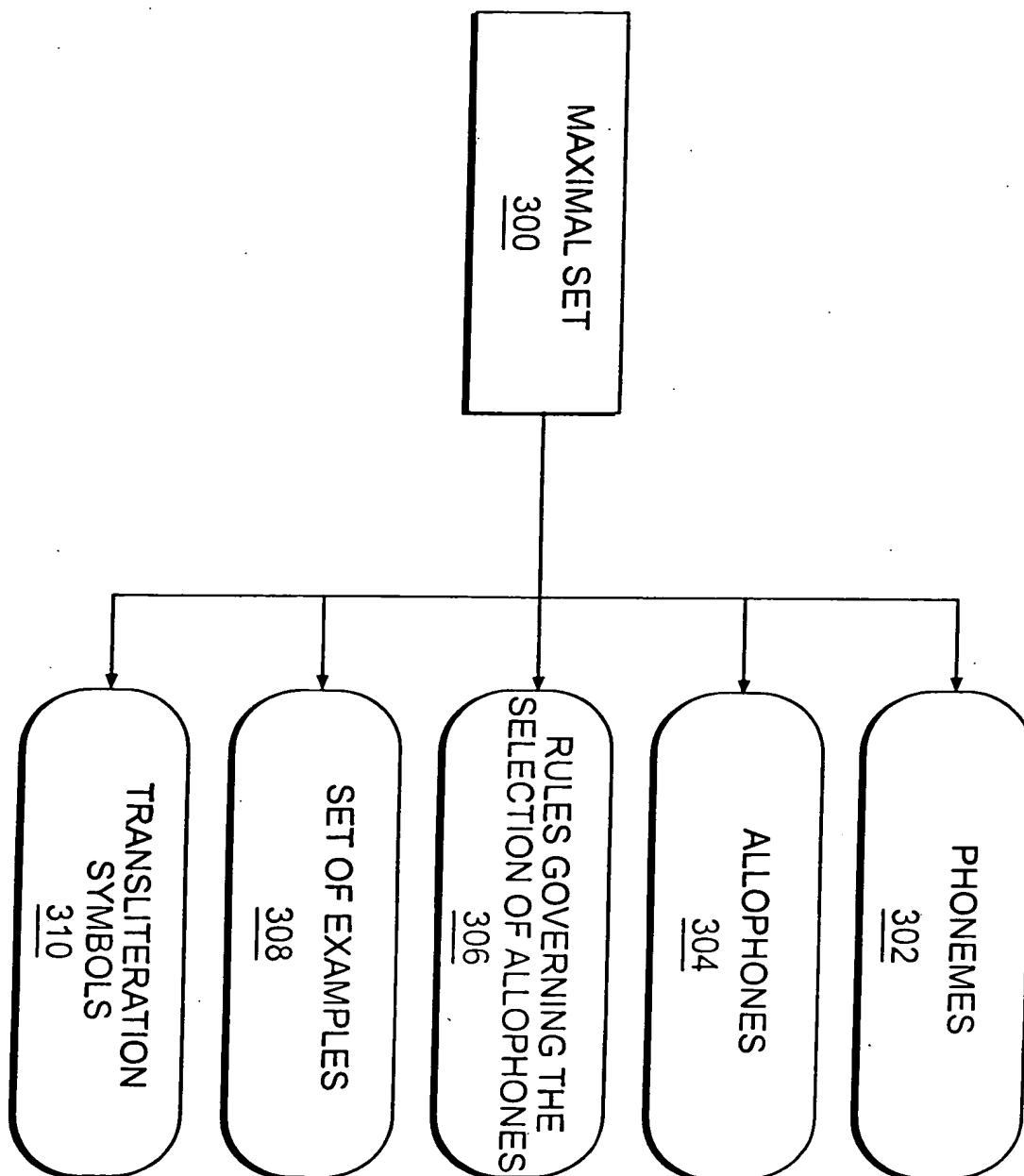


FIG. 4

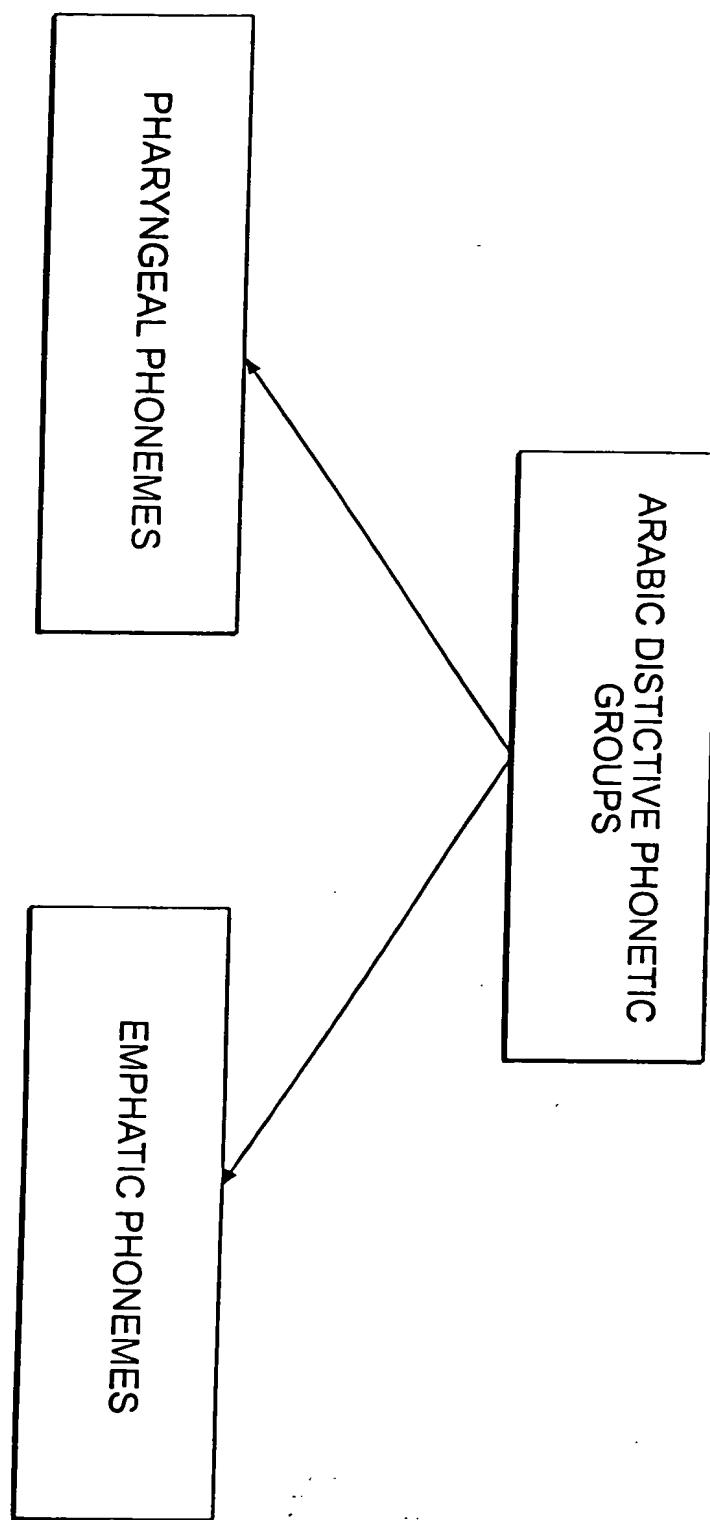
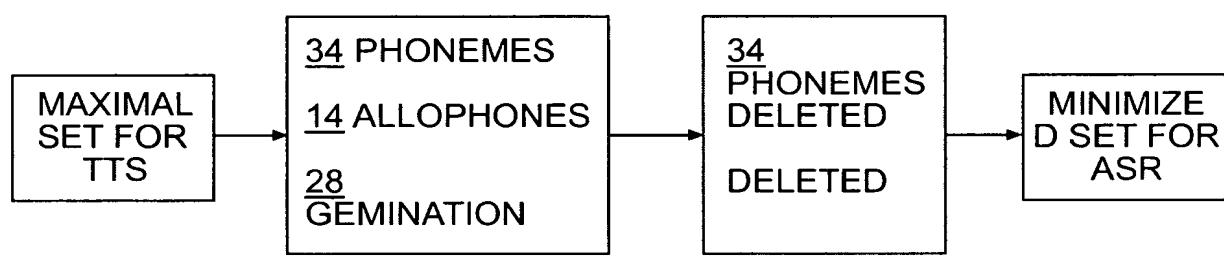


FIG. 5



***FIG. 6***